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Op/2841**PATENT**
Attorney Docket No.: P3C1-US**CERTIFICATE OF MAILING BY "FIRST CLASS MAIL" 37 C.F.R. §1.8**

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Michelle White
Michelle White

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of: Eldridge et al.

Application No.: 10/035,633

Filing Date: December 28, 2001

For: ELECTRICAL CONTACT STRUCTURES
FORMED BY CONFIGURING A FLEXIBLE
WIRE TO HAVE A SPRINGABLE SHAPE
AND OVERCOATING THE WIRE WITH AT
LEAST ONE LAYER OF A RESILIENT
CONDUCTIVE MATERIAL, METHODS OF
MOUNTING THE CONTACT
STRUCTURES TO ELECTRONIC
COMPONENTS, AND APPLICATIONS
FOR EMPLOYING THE CONTACT
STRUCTURES

Examiner: Unknown

Group Art Unit: 2841

INFORMATION DISCLOSURE STATEMENT (IDS)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Listed on an attached Form PTO/SB/08A is information known to applicant(s). A copy of each listed publication, U.S. and foreign patent document, and pending U.S. application (including drawings and claims), is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. The Examiner is requested to initial and return the attached Form PTO/SB/08A in accordance with MPEP §609.

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This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

☒ This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):

- ☐ (1) It is being filed within 3 months of the application filing date (other than the filing date of a continued prosecution application under §1.53(d))
-- OR --
- ☐ (2) It is being filed within 3 months of entry of a national stage
-- OR --
- ☒ (3) It is being filed before the mail date of the first Office Action on the merits
-- OR --
- ☐ (4) It is being filed before the mail date of the first Office Action after the filing of a request for continued examination under §1.114.

☐ 37 C.F.R. §1.97(c). If this statement is being filed after the latest of: (1) three months beyond the filing date of a national application; (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; (3) the mailing date of a first Office action on the merits, or (4) the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, but before the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, then:

- ☐ a statement as specified in §1.97(e) is provided below; **or**
- ☐ a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

☐ 37 C.F.R. §1.97(d). If this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, but before payment of the issue fee, then:

- A. a statement as specified in §1.97(e) is provided below; **and**
- B. a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

PATENT

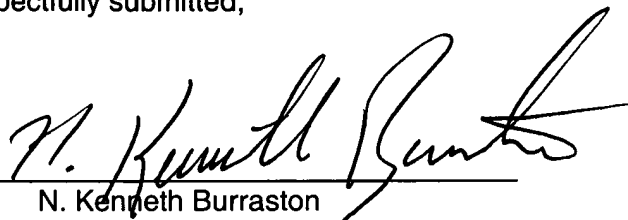
Attorney Docket No.: P3C1-US

- ☒ *Fee Authorization.* Although Applicants believe that no additional fee is due in connection with the filing of this paper, the Commissioner is hereby authorized to charge any additional fees due, or credit any overpayment associated, with this communication to Deposit Account No. 50-0285 (Order No. P3C1-US)

Respectfully submitted,

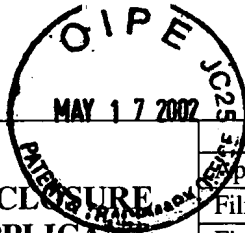
Date: May 13, 2002

By:



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete If Known

Application Number	10/035,633
Filing Date	12/28/2001
First Named Inventor	Eldridge et al.
Group Art Unit	2841
Examiner Name	Unknown
Attorney Docket No.	P3C1-US

Sheet 1 of 2

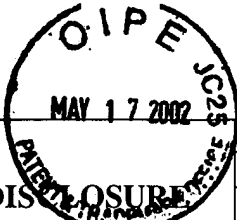
U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code ²			
	1	3,389,457		Goldman et al.	6/25/1968	
	2	3,519,890		Ashby	7/7/1970	
	3	3,662,454		Miller	5/16/72	
	4	3,842,189		Southgate	10/15/1974	
	5	4,137,867		Aigo	2/6/79	
	6	4,194,957		Lipschutz	3/25/80	
	7	4,217,183		Melcher et al.	8/12/80	
	8	4,295,700		Sado	10/20/1981	
	9	4,304,641		Grandia et al.	12/8/81	
	10	4,397,086		Bickos et al.	8/9/83	
	11	4,418,857		Ainslie et al.	12/6/1983	
	12	4,486,945		Aigoo	12/11/1984	
	13	4,667,219		Lee et al.	5/19/1987	
	14	4,732,313		Kobayashi et al.	3/22/1988	
	15	4,751,199		Phy	6/14/1988	
	16	4,793,814		Zifcak et al.	12/27/1988	
	17	5,067,007		Kanji et al	11/19/1991	
	18	5,098,305		Krajewski et al	3/24/1992	
	19	5,110,032		Akiyama et al.	5/5/1992	
	20	5,177,438		Littlebury et al.	1/5/93	
	21	5,187,020		Kwon et al.	2/16/93	
	22	5,195,237		Cray et al.	3/23/1993	
	23	5,230,632		Baumberger et al.	7/27/1993	
	24	5,240,588		Uchida	8/31/1993	
	25	5,304,534		Ciszek	4/19/94	
	26	5,317,479		Pai et al.	5/31/1994	
	27	5,373,627		Grebe	12/20/94	
	28	5,391,521		Kim	2/21/95	
	29	5,476,211		Khandros	12/19/95	
	30	5,476,818		Yanof et al.	12/19/95	
	31	5,495,667		Farnworth et al.	3/5/96	
	32	5,580,607		Takekuma et al.	12/3/96	
	33	5,611,696		Donner et al.	3/18/1997	
	34	5,847,445		Wark et al.	12/8/98	

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete If Known</i>	
				Application Number	10/035,633
				Filing Date	12/28/2001
				First Named Inventor	Eldridge et al.
				Group Art Unit	2841
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket No.	P3C1-US

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant	Publication Date	Relevant Portions	T ⁶
		Office ³	Number ⁴	Kind Code ⁵				
	35	FR	2680284		Christian	2/12/1993		
	36	JP	4240570		Naoaki	8/27/92		
	37	JP	5218156		Ryuichi	8/27/93		
	38	JP	6018555		Tetsuo	1/25/94		
	39	JP	7072172		Hiroyuki	3/17/95		
	40	JP	55113897		Masayuki	9/2/1980		
	41	JP	57017141		Kenichi	1/28/1982		
	42	JP	57084144		Akinori	5/26/1982		
	43	JP	58218131		Masanari	12/19/1983		
	44	JP	61244057		Kato	10/30/1986		

OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	45	Duane W. ENDICOTT and John R. KNAPP, Jr. "Electrodeposition of Nickel-Cobalt Alloy: Operating Variables And Physical Properties Of The Deposits" (January 1966), pp. 43-60, (Plating).	
	46	Shih, D.-Y et al., "A Novel Elastomeric Connector for Packaging Interconnections, Testing and Burn-in Applications", IEEE, Proceedings of the Electronic Components and Technology Conference, Las Vegas, NV, May 21, 1995.	
	47	Weast, Handbook of Chemistry and Physics, CRC Press, Cleveland, OH, pp.D171-172, (1975-1976).	

Examiner Signature		Date Considered	
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